

Application No. 09/808,225
Filed: March 14, 2001
TC Art Unit: 1645
Confirmation No.: 2805

AMENDMENTS TO THE SPECIFICATION

Applicant respectfully submits that the express mail number provided on page 1 of the specification beneath line 35 should be deleted. A marked-up copy of this amendment is provided herewith as a convenience to the Examiner.

BEST AVAILABLE COPY

-2-

WEINGARTEN, SCHURGIN,
CAGNEBIN & LIBBOVICI LLP
TEL. (617) 542-2290

PAGE 5/20 * RCVD AT 1/19/2005 4:04:16 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/2 * DNI:8729306 * CSID:16176950892 * DURATION (mm:ss):05:10

PROCESS FOR IDENTIFYING AND ENRICHING
CELL-SPECIFIC TARGET STRUCTURES

5 DESCRIPTION:

The present invention relates to a process for identifying and enriching cell-specific target structures, in particular for the identification of 10 cell-specific protein combination patterns on cell surfaces and for enriching such cells.

Identifying cell-specific target structures is crucial for elucidating cell-to-cell interactions which may cause countless effects within an organism. 15 Especially, knowing disease-specific target structures is a decisive prerequisite for developing effective drugs which at the same time only have few side effects.

It is known from the prior art that immune cells (lymphocytes) will express specific combinations of proteins, also referred to as protein combination patterns or, in short, PCP, which are responsible for binding to endothelial cells of the blood vessels in the brain and in muscle tissue. Other protein combinations, however, will not result in any binding to 20 such endothelial cells. Surprisingly, these specific combinations are inter-individually consistent, always exhibiting the same binding functions. Consequently, the specific protein combination patterns seem to be an inter-individually consistent lymphocyte binding code of 25 the cell surface for organ-specific endothelial cell surfaces which represents a cell-specific target structure. Cell-specific target structures may thus exhibit quite specific protein combination patterns.

Express Mail Number

EL 624464857 US

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.